

In re Application of WILLIAMS et al.
Serial No. 09/849,170

BEST AVAILABLE COPY

Listing of the Claims:

1. (currently amended): A computer system, comprising,
a writing instrument that generates using a ballistic information generator,
movement information including acceleration information from a user's handwriting;
and
a conversion component that utilizes the acceleration information to
generate line thickness information.
2. (original): The computer system of claim 1, wherein the writing
instrument is a pen.
3. (previously presented): The computer system of claim 1, wherein the
writing instrument comprises an accelerometer configured to generate the
acceleration information.
4. (previously presented): The computer system of claim 3, wherein the
accelerometer generates analog movement information, and wherein the writing
instrument comprises an analog-to-digital converter for converting the analog
movement information to digital data.

In re Application of WILLIAMS et al.
Serial No. 09/849,170

5. (original): The computer system of claim 4, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.
6. (original): The computer system of claim 5, wherein the digital data is transmitted via a wireless connection.
7. (original): The computer system of claim 5, wherein the digital data is transmitted via a hardwired connection.
8. (original): The computer system of claim 3, wherein the accelerometer is configured to generate tilt information.
9. (currently amended): A computer system, comprising,
a writing instrument that generates, using a ballistic information generator,
movement information including acceleration information from a user's handwriting;
and
a conversion component that utilizes the acceleration information to
generate line thickness information based upon spacing of plots in a map of a plot
of the movement information.
10. (original): The computer system of claim 9, wherein the thickness information is based upon the samples/unit distance of the plots.

In re Application of WILLIAMS et al.
Serial No. 09/849,170

11. (original): The computer system of claim 10, wherein the thickness information increases a thickness component as the samples/unit distance increase.

12. (previously presented): The computer system of claim 3, wherein the conversion component generates thickness information based upon wavelengths of the movement information.

13. (original): The computer system of claim 12, wherein the thickness information increases a thickness component as the wavelengths increase.

14. (original): The computer system of claim 1, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.

15. (original): The computer system of claim 14, wherein the digital data is transmitted via a wireless connection.

16. (original): The computer system of claim 14, wherein the digital data is transmitted via a hardwired connection.

In re Application of WILLIAMS et al.
Serial No. 09/849,170

17. (currently amended): The computer system of claim 3 9, wherein the movement information comprises tilt information.

18. (previously presented): A computer system, comprising,
a writing instrument that generates movement information including acceleration and tilt information from a user's handwriting; and
a conversion component that utilizes the acceleration information to generate line thickness information based upon spacing of plots in a map of a plot of the tilt information.

19. (original): The computer system of claim 18, wherein the thickness information is based upon the samples/unit distance of the plots.

20. (original): The computer system of claim 19, wherein the thickness information increases a thickness component as the samples/unit distance increase.

21. (previously presented): The computer system of claim 1, wherein the movement information comprises pulses having wavelengths.

22. (original): The computer system of claim 21, wherein the thickness information increases a thickness component as the wavelengths increase.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.